

PhD student or Postdoc position
in Molecular Cancer Research – Cell Cycle Gene Regulation (m/f/d) (Biocenter,
Department of Biochemistry and Cell Biology, Wuerzburg, Germany)

A PhD student or postdoc position is available in the laboratory of Prof. Stefan Gaubatz at the Biocenter, Julius-Maximilian-University, Wuerzburg, Germany. Our research focuses on the transcriptional regulation of the cell cycle genes. Correct cell cycle regulation is essential for normal development and, when disrupted, can lead to tumorigenesis. We study the MMB multiprotein complex, a master regulator of cell cycle genes and its crosstalk with the Hippo-YAP signaling pathway.

The project will focus on the role of YAP and MMB in transcription of cell cycle genes in relation to DNA replication stress. A better understanding of the molecular mechanisms underlying cell cycle regulation by YAP and MMB during replication stress could in the future have significant implications for both basic science and potential clinical applications.

A wide range of cell culture based and molecular biology techniques including state-of-the-art technologies such as ChIPseq, ATACseq, CUT&RUN and CRISPR-interference will be used.

For recent references about our work, see for example:

Oncogene (2024) <https://doi.org/10.1038/s41388-023-02926-w>

Nucleic Acids Research (2023) <https://doi.org/10.1093/nar/gkad107>

PLOS Genetics (2020) doi:10.1371/journal.pgen.1008818

Cell Reports (2019) doi.org/10.1016/j.celrep.2019.05.071

Requirements:

We are looking for a highly motivated candidate with a solid background in biomedicine, biochemistry, cell biology, molecular biology or similar. Experience in animal work and/or knowledge in bioinformatics analysis of NGS data is beneficial but not a strict prerequisite.

We offer:

A highly stimulating international research environment in a well-equipped and modern department in the University of Wuerzburg's Biocenter, which provides diverse opportunities for collaborations. Remuneration will be according to 65% TV-L E13. Disabled applicants will be preferentially considered in case of equivalent qualifications.

The successful candidate will become member of the Graduate School of Life Science (GSLs), which offers interdisciplinary practical training, summer schools and retreats, and mentoring by a thesis committee of three experts in the field

Application/ Contact:

Please send your application package, which should include a statement of motivation, a detailed CV, academic transcript and the contact details of at least two references, as a single pdf file by to e-mail stefan.gaubatz@biozentrum.uni-wuerzburg.de. Applications will be reviewed as they arrive.

For further information please contact Prof. Dr. Stefan Gaubatz (stefan.gaubatz@biozentrum.uni-wuerzburg.de) or visit our web site: <https://www.biozentrum.uni-wuerzburg.de/en/bcz/gaubatz-group/>